

Department of Transportation

Rapid City Region Office 2300 Eglin Street P.O. Box 1970 Rapid City, SD 57709-1970 Phone: 605/394-2244

FAX: 605/394-1904

May 25, 2012

ADDENDUM NO. 2

RE: May 31, 2012 Rapid City Region Office Informal Letting –

Project 036-491, Custer County, PCN i2j2

SD 36, West of Hermosa

TO WHOM IT MAY CONCERN:

The following addendum to the plans is hereby made:

PROPOSAL:

No change.

PLANS:

 Replace plan sheets 2 thru 6, 20, and 21 with attached plan sheets with revised date 5/25/12. The plans were changed to remove all reference to "Super-Duty Silt Fence" and provide details for Temporary Waterway Dirversion.

Sincerely,
John Rehorst
Region Design Engineer

ESTIMATE OF QUANTITIES

Bid Item Number	Item	Quantity	Unit
009E0010	Mobilization	Lump Sum	LS
110E0600	Remove Fence	50	Ft
110E1700	Remove Silt Fence	200	Ft
110E6230	Remove W Beam Guardrail for Reset	50.0	Ft
110E7802	Remove Fence for Reset	50	Ft
620E0520	Type 2 Temporary Fence	220	Ft
620E4100	Reset Fence	50	Ft
630E5150	Reset Double W Beam Guardrail with Wood Posts	50.0	Ft
634E0010	Flagging	40	Hour
634E0100	Traffic Control	272	Unit
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0700	Traffic Control Movable Concrete Barrier	14	Each
700E0310	Class C Riprap	520.0	Ton
734E0010	Erosion Control	Lump Sum	LS
734E0602	Low Flow Silt Fence	200	Ft
734E0610	Mucking Silt Fence	5	CuYd
831E0110	Type B Drainage Fabric	410	SqYd

SPECIFICATIONS

Standard Specifications for Roads & Bridges, 2004 Edition and Required Provisions, Supplemental Specifications and/or Special Provisions as included in the Proposal.

IN-PLACE STABILIZED EARTH SLOPE

There shall be no excavation of the reinforced earth slope adjacent to the project permitted. Minor surface preparation (i.e. vegetation removal and fill operations prior to fabric and riprap placement) shall be permitted from station 0+20 to 0+60 of the Grace Coolidge Creek alignment.

Any damage to the in-place stabilized earth slope shall be the repaired by the Contractor. Any costs associated with repairing damage to the in-place stabilized earth slope shall be the responsibility of the Contractor with no additional cost to the State.

CURB & GUTTER AND DROP INLET

Care shall be taken not to damage the in-place curb and gutter or the in-place drop inlet located adjacent to the guardrail. Any damage to the in-place curb & gutter or the in-place drop inlet shall be repaired by the Contractor. Any cost associated with repairs to the in-place curb & gutter and/or the in-place drop inlet shall be the responsibility of the Contractor with no additional cost to the State.

UTILITIES

Other than noted below, utilities are not planned to be affected on this project. If utilities are identified near the improvement area through the SD One Call Process as required by South Dakota Codified Law 49-7A and Administrative Rule Article 20:25, the contractor shall contact the project engineer to determine modifications that will be necessary to avoid utility impacts.

A fiber optic line is located directly east of, and adjacent to, the work area. Care shall be taken to not damage this fiber optic line during construction. Any damage caused to this fiber optic line by the Contractor shall be repaired by the Contractor at no cost to the State.

SEQUENCE OF OPERATIONS

- 1. Set up traffic control.
- 2. Remove Guardrail.
- 3. Install Temporary Waterway Diversion.
- 4. Shape erosional areas.
- 5. Place Fabric and Riprap.
- 6. Remove Temporary Waterway Diversion.
- 7. Place erosion control.
- 8. Reset Guardrail.
- 9. Remove traffic control.

WATER SOURCE

The Contractor shall not withdraw water with equipment previously used outside the State of South Dakota without prior approval from the DOT Environmental Office.

The DOT Environmental Office contact is the Environmental Project Scientist, 605-773-3268. The WATER SOURCE plan note does not relieve the Contractor of his/her responsibility to obtain the necessary permits from other agencies such as the Department of Environment and Natural Resources (DENR) and the United States Army Corps of Engineers (COE).

WORK AFFECTING WATERWAYS

A. WATER QUALITY

Surface Water Quality

The Contractor is advised the South Dakota Surface Water Quality Standards, administered by the Department of Environment and Natural Resources (DENR), apply to this project.

Grace Coolidge Creek is classified as a cold water permanent fishery with a total suspended solids standard of 30 milligrams/liter.

Surface Water Discharge

If construction dewatering is required, the Contractor is required to obtain a Surface Water Discharge Permit from the DENR. Contact the DENR Surface Water Program at 605-773-3351 to apply for a permit.

Grace Coolidge Creek is classified as a cold water permanent fishery with a Surface Water Discharge standard of 30 milligrams/liter total suspended solids.

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WORK AFFECTING WATERWAYS (CONTINUED)

Storm Water

The Contractor is advised this project is regulated under the Phase II Storm Water Regulations and must receive coverage under the DENR General Permit for Construction Activities. A Notice of Intent (NOI) will be submitted to DENR a minimum of 15 days prior to project start by the DOT Environmental Office. A letter must be received from DENR that acknowledges project coverage under this general permit before project start. The Contractor is advised that permit coverage may also be required by offsite activities, such as borrow and staging areas, which are the responsibility of the Contractor.

A major component of the storm water construction permit is development and implementation of a storm water pollution prevention plan (SWPPP). This plan is a joint effort and responsibility of the DOT and the Contractor. The SWPPP is a dynamic document and is to be available on-site at all times. Information on storm water requirements and SWPPP are available on the following websites:

DOT: http://www.sddot.com/pe/projdev/environment_stormwater.asp

DENR: http://www.denr.sd.gov/des/sw/stormwater.aspx

B. SEASONAL WORK RESTRICTIONS

The State of South Dakota has designated a cold water fishery associated with this project. Placement of fill and/or in-stream work should not take place during the Seasonal Work Restriction to avoid conflicts with spawning fish. If flows during this time are nonexistent or extremely low, the seasonal use restriction may not be applicable. The Contractor shall not conduct in-stream work during the Seasonal Work Restriction without prior approval from the Environmental Project Scientist of the DOT Environmental Office, 605-773-3268.

TABLE OF COLD WATER FISHERY

Stream Name	Stream Classification	Seasonal Work Restriction
Grace Coolidge	Cold Water	October 1 to April 1
Creek		

WORK AFFECTING WATERWAYS (CONTINUED)

C. <u>CONSTRUCTION PRACTICES FOR TEMPORARY WORKS IN</u> PROTECTED WATERWAYS

No excavation shall be made below the ordinary high water elevation in protected waterways outside the concrete barriers; and the natural streambed shall not be disturbed without permission from the Engineer..

All dredged or excavated materials shall be placed at a site above the ordinary high water elevation in a confined area (not classified as a wetland) to prevent return of such material to the waterway.

The construction of temporary work platforms, crossings, or berms below the ordinary high water elevation will be allowed provided that all material placed below the ordinary high water elevation consists of Class B or larger riprap.

All concrete barriers shall be removed with minimal disturbance to the streambed. Proper construction practices shall be used to minimize increases in suspended solids and turbidity in the waterway.

The Contractor shall install temporary works for the waterway diversion in accordance with Section 423 of the Standard Specifications.

Cofferdams, Cribs and Shoring shall be used if the height of the concrete barriers is insufficient to divert the waterway away from the work area.

Class C Riprap placement shall be constructed in close conformity with the plans to ensure that the hydraulic capacity of the waterway is not changed.

ACCESS TO THE PROJECT WORK LIMITS

The Contractor shall access the project work limits from the highway right of way. The Contractor will not be allowed to go outside the limits of the temporary easement without gaining permission from the adjacent landowner.

HISTORICAL PRESERVATION OFFICE CLEARANCES

To obtain State Historical Preservation Office (SHPO) clearance, a cultural resources survey may need to be conducted by a qualified archaeologist. In lieu of a cultural resources survey, the Contractor could request a records search from Jim Donohue, State Archaeological Research Center (SARC). Provide SARC with the following: a topographical map or aerial view on which the site is clearly outlined, site dimensions, project number, and PCN. If applicable, provide evidence that the site has been previously disturbed by farming, mining, or construction activities with a landowner statement that no artifacts have been found *on* the site. The Contractor shall arrange and pay for the cultural resource survey and/or records search.

If any earth disturbing activities occur within the current geographical or historic boundaries of any South Dakota reservation, the Contractor shall obtain Tribal Historical Preservation Office (THPO) clearance. If no THPO exists, the required SHPO clearance shall suffice, with documentation of Tribal contact efforts provided to SHPO.

To facilitate SHPO or THPO responses, the Contractor should submit a records search or cultural resources survey report to the DOT Environmental Engineer, 700 East Broadway Avenue, Pierre, SD 57501-2586 (605-773-3268). Allow 30 days from the date this information is submitted to the Environmental Engineer for SHPO/THPO approval. The Contractor is responsible for obtaining all required permits and clearances for staging areas, borrow sites, waste disposal sites, and all material processing sites. The Contractor shall provide the required permits and clearances to the Engineer at the preconstruction meeting.

WASTE DISPOSAL SITE

The Contractor will be required to furnish a site(s) for the disposal of construction/demolition debris generated by this project.

Construction/demolition debris may not be disposed of within the State ROW.

The waste disposal site(s) shall be managed and reclaimed in accordance with the following from the General Permit for Highway, Road, and Railway Construction/Demolition Debris Disposal Under the South Dakota Waste Management Program issued by the Department of Environment and Natural Resources.

The waste disposal site(s) shall not be located in a wetland, within 200 feet of surface water, or in an area that adversely affects wildlife, recreation, aesthetic value of an area, or any threatened or endangered species, as approved by the Engineer.

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WASTE DISPOSAL SITE (CONTINUED)

If the waste disposal site(s) is located such that it is within view of any ROW, the following additional requirements shall apply:

- 1. Construction/demolition debris consisting of concrete, asphalt concrete, or other similar materials shall be buried in a trench completely separate from wood debris. The final cover over the construction/demolition debris shall consist of a minimum of 1 foot of soil capable of supporting vegetation. Waste disposal sites provided outside of the State ROW shall be seeded in accordance with Natural Resources Conservation Service recommendations. The seeding recommendations may be obtained through the appropriate County NRCS Office. The Contractor shall control the access to waste disposal sites not within the State ROW through the use of fences, gates, and placement of a sign or signs at the entrance to the site stating "No Dumping Allowed".
- Concrete and asphalt concrete debris may be stockpiled within view
 of the ROW for a period of time not to exceed the duration of the
 project. Prior to project completion, the waste shall be removed from
 view of the ROW or buried and the waste disposal site reclaimed as
 noted above.

The above requirements will not apply to waste disposal sites that are covered by an individual solid waste permit as specified in SDCL 34A-6-58, SDCL 34A-6-1.13, and ARSD 74:27:10:06.

Failure to comply with the requirements stated above may result in civil penalties in accordance with South Dakota Solid Waste Law, SDCL 34A-6-1.31.

All costs associated with furnishing waste disposal site(s), disposing of waste, maintaining control of access (fence, gates, and signs), and reclamation of the waste disposal site(s) shall be incidental to the various contract items.

REMOVE AND RESET FENCE

All costs associated with the reomval of the 100' of fence shall be incidental to the contract unit price per foot for Remove Fence for Reset.

All costs associated with resetting of the 100' of fence shall be incidental to the contract unit price per foot for Reset Fence.

GENERAL MAINTENANCE OF TRAFFIC

- 1. Traffic control shall be in accordance with MUTCD Standards, the Standard Specifications and the layouts contained in these plans.
- 2. The Contractor shall at all times, keep the portion of the project being used by public traffic in a condition that will adequately and safely accommodate traffic.
- 3. Storage of vehicles, materials, and equipment shall be no closer than 30' from the edge of the driving lane. Contractor's employees should mobilize at a location off the right-of-way and arrive at the work sites in a minimum number of vehicles necessary to perform the work. Indiscriminate driving and parking of vehicles within the right-of-way will not be permitted. Any damage to the vegetation, surfacing, embankment, delineators, and existing signs resulting from such indiscriminate use shall be repaired and/or restored by the Contractor, at no expense to the State, and to the satisfaction of the Engineer.
- 4. The Contractor shall provide documentation that all breakaway sign supports comply with FHWA NCHRP 350 or MASH crash-worthy requirements. The Contractor shall provide installation details at the preconstruction meeting for all breakaway sign support assemblies.
- 5. Non-applicable signing will be covered or removed and reset during periods of in-activity. All costs to do this work shall be incidental to Traffic Control, Miscellaneous.
- 6. Construction signing that remains in the same location for more than 3 days shall be on fixed location, ground mounted, breakaway supports, unless approved by the Engineer.
- 7. The Contractor or designated traffic control subcontractor shall make night (after dark) inspections at the initial set up of traffic control and every week thereafter to ensure the adequacy, legibility and reflectivity of each sign and device. A written summary of each inspection shall be given to the Engineer within 24 hours after completion of the inspection. The cost for the nighttime inspection work shall be incidental to the related contract items.
- 8. The Contractor shall be required to have a person available 24 hour/day, 7 days/week to maintain traffic control devices. The name and cellular telephone number of this individual shall be given to the Engineer at the preconstruction meeting.
- 9. The Contractor shall coordinate his operations such that during non-working hours the roadway shall be open to two-way traffic on a uniform driving surface for the entire width of the roadway.
- 10. Work activities shall only be during daylight hours. Daylight hours are considered to be ½ hour before sunrise until ½ hour after sunset.

TRAFFIC CONTROL

- Removing, relocating, covering, salvaging and resetting of permanent traffic control devices, including delineation, shall be the responsibility of the Contractor. The cost of this work shall be incidental to the various contract bid items unless otherwise specified in the plans. Any delineators and signs damaged or lost shall be replaced by the Contractor at no cost to the State.
- The Contractor shall remove the concrete barriers protecting the area absent of guardrail during operations and replace them as shown on the Traffic Control – Night-Time and Non-Working Hours sheet during nonwork hours.
- 3. During hours of operation Standard Plate 634.23 shall be used for Traffic Control as directed by the Engineer.

TRAFFIC CONTROL MOVABLE CONCRETE BARRIERS

Concrete barriers will be provided by the State and are available for pickup from the DOT South Maintenance Yard located south of Rapid City adjacent to Highway 79. Barriers to be adjusted or moved shall be disconnected from adjacent barriers to minimize damage to connecting pins. Pins damaged by the Contractor shall be replaced at no cost to the Department. All costs associated with picking up from the South Yard, transporting, setting, connecting, and hauling back to the South Yard shall be incidental to the contract unit price per each for Traffic Control Movable Concrete Barrier.

After the initial placement, concrete barriers for traffic control purposes may need to be adjusted on a daily basis. Daily removal and reset shall be incidental to the contract unit price per each Traffic Control Movable Concrete Barrier.

Concrete barrier sections shall be placed as depicted in the plans. The barriers shall be pinned and bolted together as directed by the Engineer.

The Contractor may use 10' barriers for traffic control purposes to accommodate the tapered ends.

INVENTORY OF TRAFFIC CONTROL DEVICES

SIGN CODE	SIGN SIZE	DESCRIPTION	NUM BER REQUIRED	UNITS PER SIGN	UNITS
G20-2	36" x 18"	END ROAD WORK	2	17	34
W20-1	48" x 48"	ROAD WORK #### FT. OR AHEAD	2	34	68
W20-4	48" x 48"	ONE LANE ROAD #### FT. OR AHEAD	2	34	68
W20-7a	48" x 48"	FLAGGER	2	34	68
W21-5a	48" x 48"	RIGHT SHOULDER CLOSED	1	34	34

TOTAL UNITS 272

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CLASS C RIPRAP

Type B Drainage Fabric shall be placed underneath the Class C Riprap. The fabric shall conform to Section 831 of the Standard Specifications.

It is estimated that 600 tons of Class C Riprap and 410 SqYd of Type B Drainage Fabric will be required to build to the limits shown in these plans

Excess material generated from the shaping for placement of Class C Riprap shall be handled as waste and disposed of by the Contractor. All costs associated with this work shall be incidental to the contract unit price per ton for Class C Riprap.

A factor of 1.4 Tons/CuYd was used to convert CuYds of Class C Riprap to Tons.

LOW FLOW AND TEMPORARY WATERWAY DIVERSION

The Low Flow Silt Fence fabric provided shall be from the approved product list. The approved product list for Low Flow Silt fence may be viewed at the following internet site:

http://apps.sd.gov/Applications/HC54ApprovedProducts/main.asp

The temporary waterway diversion as detailed in these plans will utilize a watertight liner placed against Traffic Control Movable Concrete Barriers.

Payment for the Traffic Control Movable Concrete Barriers shall be paid per each for the amount used in the temporary waterway diversion.

Low Flow Silt Fence shall be placed at locations that will minimize siltation of adjacent streams, lakes, dams, or drainage areas as determined by the Engineer during construction.

An additional 100 feet of Low Flow Silt Fence has been added to the Estimate of Quantities for temporary sediment control and tying the ends of the Super Duty Silt Fence into the stream bank.

Cost for any sand bagging required to seal off the work area shall be incidental to the contract unit price per each for Traffic Control Movable Concrete Barriers.

TABLE OF LOW FLOW SILT FENCE

Station	L/R	Location	Quantity (Ft)
Mainline 312+80 to 314+00	R	Stream Bank	100
		ADDITIONAL QUANTITY	100
		Total:	200

MUCKING SILT FENCE

Mucking silt fence shall consist of removing muck trapped by the silt fence and spreading the material evenly over the adjacent area to conform to the existing grade.

REMOVE SILT FENCE

Silt fence shall be removed when the project has been completed. Some or all of the silt fence may be left on the project as directed by the Engineer.

EROSION CONTROL

Areas adjacent to the work area disturbed during installation of riprap shall be seeded, fertilized and mulched.

All permanent seed shall be planted in the topsoil at a depth of ¼" to ½".

All seed broadcast must be raked or dragged in (incorporated) within the top ¼" to ½" of topsoil when possible. This requirement may be waived by the Engineer during construction when raking or dragging is deemed not feasible by conventional methods.

Type F Permanent Seed Mixture shall consist of the following:

Grass Species	Variety	Pure Live Seed (PLS) (Pounds/1000 SqFt)
Western Wheatgrass	Flintlock, Rodan, Rosana	1.3
Green Needlegrass	Lodorm	0.8
Sideoats Grama	Butte, Killdeer, Pierre, Trailway	0.6
Blue Grama	Bad River, Willis	0.4
Oats or Spring Wheat: April through July; Winter Wheat: August		
through November		1.9
	Total:	5.0

A commercial fertilizer with a minimum guaranteed analysis of 13-13-13, 18-46-0, 11-52-0, or an approved alternate fertilizer sold for use as a lawn starter fertilizer shall be applied to all areas designated for permanent seeding. The application rate of fertilizer shall be 3 pounds per 1000 SqFt.

Fiber mulch shall be applied in a separate operation following permanent seeding.

EROSION CONTROL (CONTINUED)

An additional 2% by weight of tackifier shall be added to the fiber mulch product selected from the list below. If the product selected has guar gum tackifier included, then the additional 2% of tackifier shall be guar gum. If the product selected has synthetic tackifier included, then the additional 2% of tackifier shall be synthetic.

Fiber mulch shall be applied at the rate of 2000 pounds per acre.

The Contractor shall allow the fiber mulch to cure a minimum of 18 hours prior to watering or any storm event to ensure proper cohesion between the soil and fiber particles.

All costs for the additional tackifier added to the fiber mulch including labor, equipment, and materials shall be incidental to the contract lump sum price for Erosion Control.

The fiber mulch used on this project shall be one from the list below:

<u>Product</u>	<u>Manufacturer</u>
Mat-Fiber Plus	Mat, Inc. Floodwood, MN Phone: 1-888-477-3028 www.matinc.biz
Conwed Hydro Mulch 2000	Profile Products LLC Buffalo Grove, IL Phone: 1-800-366-1180 www.conwedfibers.com
EcoFibre Plus Tackifier	Profile Products LLC Buffalo Grove, IL Phone: 1-800-366-1180 www.profile-eco.com
Terra Wood with Tacking Agent 3	Profile Products LLC Buffalo Grove, IL Phone: 1-800-726-6371 www.terra-mulch.com
Bindex Wood WT	American Excelsior Co. Arlington, TX Phone: 1-800-777-7645 www.curlex.com
Second Nature Wood Fiber Mulch Plus	Central Fiber LLC Canton, OH Phone: 1-888-452-2630 www.centralfiber.com

Approximately 1000 SqFt will require permanent seeding. All costs associated with permanent seeding, fertilizing, and fiber mulching shall be incidental to the contract lump sum for price for Erosion Control.

It is the Contractor's responsibility to verify estimated acreage. No adjustment in quantity will be allowed unless additional work is ordered by the Engineer.

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HORIZONTAL ALIGNMENT

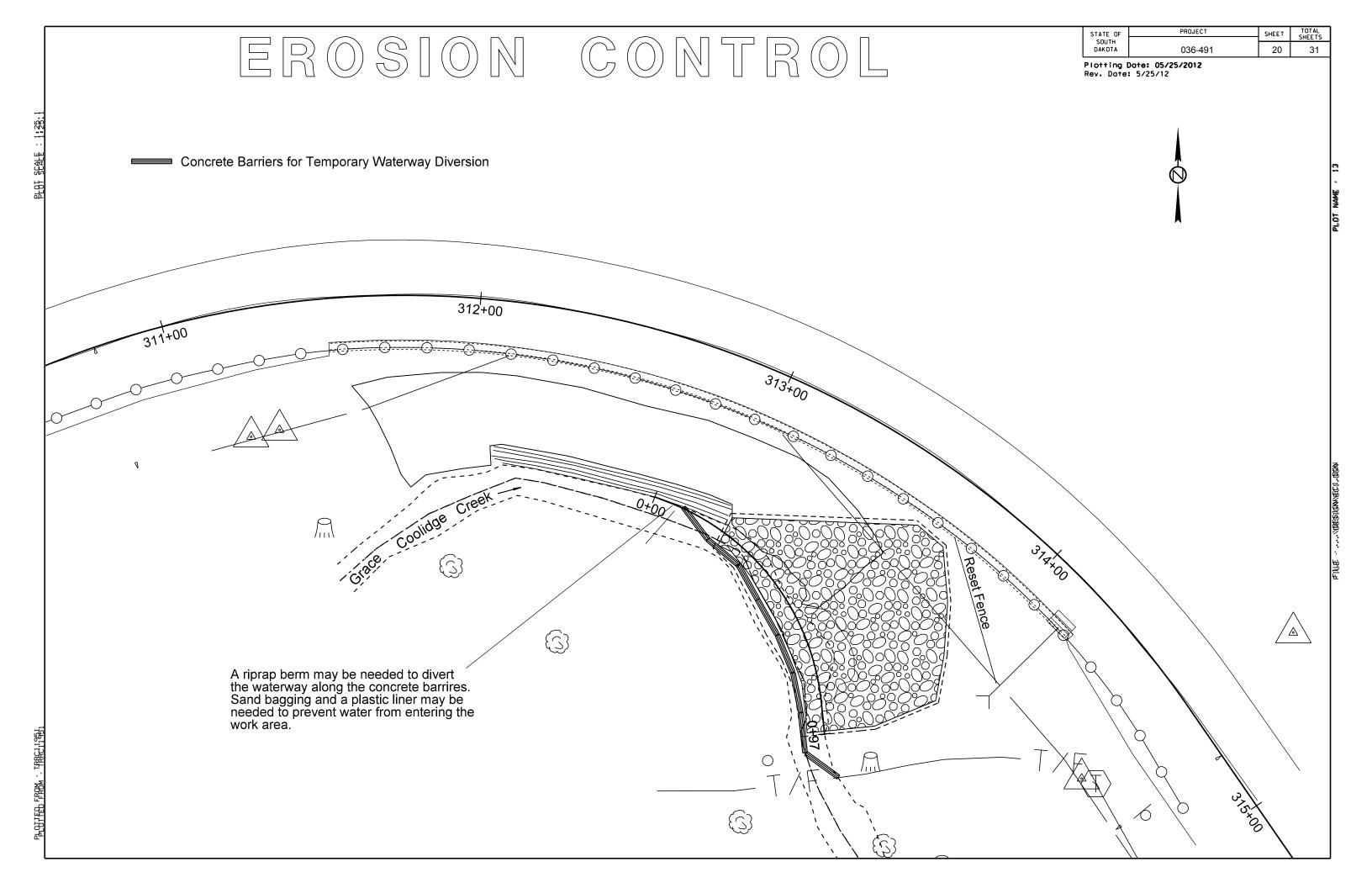
Mainline

Тур	e Station		Northing	Easti	ing
POB 302+13.64				114830.629	121723.978
	TL=	844.45	N 67°10'09" E		
PC	310+58.09			115158.283	122502.266
PI	312+99.03 R =	296.36	Delta 78°13'22" R	= 115251.770	122724.330
PT	314+62.69			115053.462	122861.175
	TL=	651.68	S 34°36'29" E		
POE	321+14.36			114517.096	123231.300

Grace Coolidge Creek

Type	Station	Northing	<u>Easting</u>		
POB 0+00.	00		115118.787	122695.182	
	TL= 4.46	S 68°56'24" E			
PC 0+04.	46		115117.185	122699.342	
PI 0+50.	58 R = 75.00	Delta 63°10'36" R	= 115100.612	122742.381	
PT 0+87.	16		115054.726	122747.012	
	TL= 9.71	S 05°45'48" E			
POE 0+96.	87		115045.060	122747.988	

						STATE OF		PROJECT	SHEET	SHEE
	M WATER POLLUTION PREVENTION PLAN CHECKLIST		Structural Temporary Erosion and Sediment Controls			SOUTH DAKOTA		036-491	6	
(The numbers right of the title headings are reference numbers to the			■ Silt Fence				1			
GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED			■ Floating Silt Curtain			Rev. 5/25	5/12 jpr			
WITH CONSTRUCTION ACTIVITIES			■ Straw Bale Check	*	Maintenance and Inspect			<u>: 4.)</u>		
*	SITE DESCRIPTION (4.2 1)		■ ☐ Temporary Berm	\triangleright	Maintenance and Inspec					
>	Project Limits: See Title Sheet (4.2 1.b)		■ ☐ Temporary Slope Drain		 Inspections will be con 	nducted at	least on	e time per week a	nd	
>	Project Description: See Title Sheet (4.2 1.a.)		■ Straw Wattles or Rolls		after a storm event of	0.50 inche	es or grea	ater.		
>	Site Map(s): See Title Sheet and Plans (4.2 1.f. (1)-(6))		■ Turf Reinforcement Mat		 All controls will be ma 	intained in	good wo	orking order. Nece	essary	
>	Major Soil Disturbing Activities (check all that apply)		■		repairs will be initiated					
ŕ	■ Clearing and grubbing		■ ☐ Gabions		report.					
	Excavation/borrow		■ Rock Check Dams		 Silt fence will be insper 	cted for d	enth of s	ediment and for te	ars in	
	■ ⊠Grading and shaping		Sediment Traps/Basins		order to ensure the fa					
	■ ☐Filling		■ ☐ Inlet Protection		that the posts are well				and	
	■ ⊠Cutting and filling		Outlet Protection		removed from the silt				ot of	
			■ Surface Inlet Protection (Area Drain)		the silt fence.	icilice wile	ii il i c aci	iles /3 of the fielgi	it Oi	
_	• Other (describe):		Curb Inlet Protection (Alea Drain)			trana will l	a abaak	ad Cadimant will b	h	
<i>></i>	Total Project Area 0.1 acre (4.2 1.b.)				 Sediment basins and 					
>	Total Area To Be Disturbed 0.1 acre (4.2 1.b.)		Stabilized Construction Entrances Stabilized Construction Entrances		removed when depth					
>	Existing Vegetative Cover (%)		■ ☐ Entrance/Exit Equipment Tire Wash		structure's capacity, a					
>	Soil Properties: AASHTO Soil or USDA-NRCS Soil Series		■ Interceptor Ditch		 Check dams will be in)	
	Classification (4.2 1. d.)		■ Concrete Washout Area		removed when depth					
>	Name of Receiving Water Body/Bodies Grace Coolidge Creek (4.2		■ ☐ Temporary Diversion Channel		 All seeded areas will be 				, and	
	1.e.)		■ Work Platform		vigorous growth free of					
	,		 Temporary Water Barrier 		 Inspection and mainte 					
*	ORDER OF CONSTRUCTION ACTIVITIES (4.2 1.c.)		■ Temporary Water Crossing		DOT 298 for each site	inspectio	n, this foi	rm will also be use	ed to	
	(Stabilization measures shall be initiated as soon as possible, but in		 Other: Concrete Barriers and Watertight Liner 		document changes to	the SWPI	P. A cop	by of the complete	.d	
	no case later than 14 days after the construction activity in that portion	\triangleright	Wetland Avoidance		inspection form will be	filed with	the SWF	PPP documents.		
	of the site has temporarily or permanently ceased. Initiation of final or		Will construction and/or erosion and sediment controls impinge on		 The SDDOT Project E 	ngineer a	nd contra	actor's site		
	temporary stabilization may exceed the 14-day limit if earth disturbing		regulated wetlands? Yes ⊠ No □ If yes, the structural and erosion		superintendent are re-				ce.	
	activities will be resumed within 21 days.)		and sediment controls have been included in the total project wetland		repair activities are the					
	Special sequencing requirements (see sheet).		impacts and have been included in the 404 permit process with the		SDDOT Project Engin					
			USACE.		maintenance reports a				ion	
	Install stabilized construction entrance(s).	>	Storm Water Management (4.2 2.b., (1) and (2))		instructions on DOT 2		ato copic	o por ano anombac		
~	Install perimeter protection where runoff sheets from the site.		Storm water management will be handled by temporary controls		1101140110110 011 201 2	00.				
>	Install channel and ditch bottom protection.		outlined in "EROSION AND SEDIMENT CONTROLS" above, and	*	Non-Storm Water Discha	.uee (3 U)				
	Clearing and grubbing.		any permanent controls needed to meet permanent storm water		ne following non-storm wa			anticipated duri	ing the	,
>	Remove and store topsoil.		management needs in the post construction period. Permanent		ourse of this project (check a			e anticipated dun	ing the	,
>	Stabilize disturbed areas.			ν C0						
>	Install utilities, storm sewers, curb and gutter.	_	controls will be shown on the plans and noted as permanent.		Discharges from water			looks of toxis or		
>	Install inlet and culvert protection after completing storm	>	Other Storm Water Controls (4.2 2.c., (1) and (2))		Pavement wash-water		spills or	leaks of toxic of		
	drainage and other utility installations.		Waste Disposal		hazardous materials have			L. 20b. da. atazkan		
>	Complete final grading.		All liquid waste materials will be collected and stored in sealed	>	Uncontaminated groun	d water a	ssociated	with dewatering		
>	Complete final paving and sealing of concrete.		metal containers approved by the project engineer. All trash and		activities.					
>	Complete traffic control installation and protection devices.		construction debris from the site will be deposited in the approved							
>	Reseed areas disturbed by removal activities.		containers. Containers will be serviced as necessary, and the		Materials Inventory (4.2.					
	•		trash will be hauled to an approved disposal site or licensed		ne following materials or sub					
*	EROSION AND SEDIMENT CONTROLS (4.2 2.a.(1)(a)-(f))		landfill. All onsite personnel will be instructed in the proper		te during the construction pe					
•	(Check all that apply)		procedures for waste disposal, and notices stating proper		oted under the headings "ER			MENT CONTROL	S" and	ı
>	Stabilization Practices (See Detail Plan Sheets)		practices will be posted in the field office. The general		SPI <u>LL</u> PREVENTION" (check		oply).			
	Temporary Seeding (Cover Crop Seeding)		contractor's representative responsible for the conduct of work on	>	☐Concrete and Portland	Cement				
	Permanent Seeding		the site will be responsible for seeing waste disposal procedures	>	□Detergents					
	■ Sodding		are followed.	>	□Paints					
	■ ☐ Planting (Woody Vegetation for Soil Stabilization)		 Hazardous Waste 	>						
	Mulching (Grass Hay or Straw)		All hazardous waste materials will be disposed of in a manner	>	Bituminous Materials					
			specified by local or state regulations or by the manufacturer.	>	Petroleum Based Produ	ıcts				
	■ ☐ Hydraulic Mulch (Wood Fiber Mulch)		Site personnel will be instructed in these practices, and the	>	Cleaning Solvents					
	Soil Stabilizer Dended Fiber Metrix		individual designated as the contractor's on-site representative	>	□Wood					
	Bonded Fiber Matrix		will be responsible for seeing that these practices are followed.	Š	Cure					
	■ Erosion Control Blankets or Mats		Sanitary Waste	Š	Texture					
	■ Vegetation Buffer Strips		Portable sanitary facilities will be provided on all construction	2	Chemical Fertilizers					
	Roughened Surface (e.g. tracking)		sites. Sanitary waste will be collected from the portable units in a	>	=					
	■ Dust Control		timely manner by a licensed waste management contractor or as		опот.					
	Other:		required by any local regulations.							
			. oquilou by arry local regulations.							



STATE OF	PROJECT	SHEET	TOTAL SHEETS
SOUTH DAKOTA	036-491	21	31

Plotting Date: 05/25/2012 Rev. Date: 5/25/12 jpr

Typical Section

